

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 6, 1969

Operator El Paso Natural Gas Company		Lease Feuille No. 2	
Location 990'N; 990'E; S-15; T-29N; R-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3092	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 3034	To 3050	Total Depth: 3114	Shut In 7-14-69
Stimulation Method Sand Water Frac		Flow Through Casing YX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, 831	PSIG	+ 12 = PSIA 843	Days Shut-In 23	Shut-In Pressure, Tubing No tubing	PSIG
Flowing Pressure: P 150	PSIG	+ 12 = PSIA 162		Working Pressure: P _w Calc.	PSIG
Temperature: T = 63 °F		n = 0.35		F _{pv} (From Tables) 1.016	Gravity .670
	F _t = .9971				F _g = .9463

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(162)(.9971)(.9463)(1.016) = \underline{1920} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{710649}{669033} \right)^n = (1920)(1.0622)^{.85} = (1920)(1.0525)$$

Note: Light fog for 4 min. then dry gas.

$$Aof = \underline{2021} \text{ MCF/D}$$

TESTED BY DNCalculated HEM
WITNESSED BY HEM

H. E. McAnally
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